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Lamination
Alternate

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Lamination material	Solvent	Solvent Drive Off Temp/Time	Bonding Temp/Time	Etch Methods	Comment
Column 1	Column 2	Column 3	Column 4	Column 5	Column 6
BCB)	mesitylene	~150° C / ~30'	~200 -210° C / 60°	CF4/0 ₂ plasma, excimer laser	Thermoset. TCE ∼50 ppm/C
Ultern® Benzoflex S-552	anisole	~150° C / ~30'	~200 - 220° C / 60'	O ₂ plasma, excimer laser	Thermoplastic TCE ~50 ppm/C
Photodefinable BCB	mesitylene	~150° C / ~30'	~200 - 210° C / 60'	Expose to actinic radiation, then wet etch after solvent drive off	Thermoset.
Epoxies with latent heat catalysts	ketones	not required	~150-200° C / 60°	O ₂ plasma, excimer laser	Thermoset. TCE ~50 ppm/C
Polyesters	ketones anisole	~150° C/~30′	~150° C / 60'	O ₂ plasma, excimer laser	thermoplastic
Acrylics	toluene mesitylene	~150° C / ~30'	~200 - 210° C / 60'	O ₂ plasma, excimer laser	thermoplastic



